INTERNATIONAL SEARCH REPORT

PCT/US 02/18135

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04L12/56 H04B7/26 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 H04B H04Q Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, INSPEC, PAJ, IBM-TDB, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category 9 Citation of document, with indication, where appropriate, of the relevant passages 1-10.χ EP 1 067 729 A (NIPPON ELECTRIC CO) 13 - 1610 January 2001 (2001-01-10) abstract figures 5A-5D paragraphs '0008!, '0015!-'0025!, '0034!-'0045! 11,12 Υ 11,12 EP 0 743 803 A (TOKYO SHIBAURA ELECTRIC Υ CO) 20 November 1996 (1996-11-20) abstract figure 1 column 2, line 1 -column 3, line 28 1-10,Α 13 - 16_/--Further documents are listed in the continuation of box C. X Patent family members are listed in annex. Х Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled "O" document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 24/09/2002 11 September 2002 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 Tel. (+31–70) 340–3016 Fax: (+31–70) 340–3016 Gabriel, C

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